

## SEQUENCE LISTING

&lt;110&gt; INCYTE PHARMACEUTICALS, INC.

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HILLMAN, Jennifer L.

YANG, Junming

&lt;120&gt; IMMUNOGLOBULIN SUPERFAMILY PROTEINS

&lt;130&gt; PF-0643 PCT

&lt;140&gt; To Be Assigned

&lt;141&gt; Herewith

&lt;150&gt; 09/195,853; unassigned; 60/113,635; 60/128,194

&lt;151&gt; 1998-11-19; 1998-11-19; 1998-12-22; 1999-04-07

&lt;160&gt; 38

&lt;170&gt; PERL Program

&lt;210&gt; 1

&lt;211&gt; 237

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 079785CD1

&lt;400&gt; 1

Met	Asp	Met	Arg	Val	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Leu	Leu
1				5				10					15	
Trp	Leu	Arg	Gly	Ala	Arg	Cys	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro
				20				25					30	
Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys
				35				40					45	
Arg	Ala	Gly	Gln	Ser	Ile	Ser	Ser	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln
				50				55					60	
Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile	Tyr	Ala	Ala	Ser	Ser
				65				70					75	
Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly
				80				85					90	
Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro	Glu	Asp	Phe
				95				100					105	
Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Tyr	Ser	Thr	Pro	Pro	Ile	Thr
				110				115					120	

Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala Ala	125	130	135
Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser	140	145	150
Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg	155	160	165
Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly	170	175	180
Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr	185	190	195
Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu	200	205	210
Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser	215	220	225
Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys	230	235	

&lt;210&gt; 2

&lt;211&gt; 537

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 2469025CD1

&lt;400&gt; 2

Met Asp Leu Leu His Lys Asn Met Lys His Leu Trp Phe Phe Leu	1	5	10	15
Leu Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Val Gln Leu	20	25	30	
Gln Gln Trp Gly Ala Gly Leu Leu Lys Pro Ser Glu Thr Leu Ser	35	40	45	
Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr Tyr Leu	50	55	60	
Ser Gly Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly	65	70	75	
Leu Glu Trp Ile Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr	80	85	90	
Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser	95	100	105	
Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp	110	115	120	
Thr Ala Val Tyr Tyr Cys Ala Arg Gly Arg Ser Asp Ser Ser Gly	125	130	135	
Ser Pro Tyr Gly Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr	140	145	150	
Val Ser Ser Ala Pro Thr Lys Ala Pro Asp Val Phe Pro Ile Ile	155	160	165	
Ser Gly Cys Arg His Pro Lys Asp Asn Ser Pro Val Val Leu Ala	170	175	180	
Cys Leu Ile Thr Gly Tyr His Pro Thr Ser Val Thr Val Thr Trp	185	190	195	
Tyr Met Gly Thr Gln Ser Gln Pro Gln Arg Thr Phe Pro Glu Ile				

	200		205		210
Gln Arg Arg Asp Ser Tyr Tyr Met Thr		Ser Ser Gln Leu Ser Thr			
215		220		225	
Pro Leu Gln Gln Trp Arg Gln Gly Glu		Tyr Lys Cys Val Val Gln			
230		235		240	
His Thr Ala Ser Lys Ser Lys Lys Glu		Ile Phe Arg Trp Pro Glu			
245		250		255	
Ser Pro Lys Ala Gln Ala Ser Ser Val		Pro Thr Ala Gln Pro Gln			
260		265		270	
Ala Glu Gly Ser Leu Ala Lys Ala Thr		Thr Ala Pro Ala Thr Thr			
275		280		285	
Arg Asn Thr Gly Arg Gly Gly Glu Glu		Lys Lys Lys Glu Lys Glu			
290		295		300	
Lys Glu Glu Gln Glu Glu Arg Glu Thr		Lys Thr Pro Glu Cys Pro			
305		310		315	
Ser His Thr Gln Pro Leu Gly Val Tyr		Leu Leu Thr Pro Ala Val			
320		325		330	
Gln Asp Leu Trp Leu Arg Asp Lys Ala		Thr Phe Thr Cys Phe Val			
335		340		345	
Val Gly Ser Asp Leu Lys Asp Ala His		Leu Thr Trp Glu Val Ala			
350		355		360	
Gly Lys Val Pro Thr Gly Gly Val Glu		Glu Gly Leu Leu Glu Arg			
365		370		375	
His Ser Asn Gly Ser Gln Ser Gln His		Ser Arg Leu Thr Leu Pro			
380		385		390	
Arg Ser Leu Trp Asn Ala Gly Thr Ser		Val Thr Cys Thr Leu Asn			
395		400		405	
His Pro Ser Leu Pro Pro Gln Arg Leu		Met Ala Leu Arg Glu Pro			
410		415		420	
Ala Ala Gln Ala Pro Val Lys Leu Ser		Leu Asn Leu Leu Ala Ser			
425		430		435	
Ser Asp Pro Pro Glu Ala Ala Ser Trp		Leu Leu Cys Glu Val Ser			
440		445		450	
Gly Phe Ser Pro Pro Asn Ile Leu Leu		Met Trp Leu Glu Asp Gln			
455		460		465	
Arg Glu Val Asn Thr Ser Gly Phe Ala		Pro Ala Arg Pro Pro Pro			
470		475		480	
Gln Pro Gly Ser Thr Thr Phe Trp Ala		Trp Ser Val Leu Arg Val			
485		490		495	
Pro Ala Pro Pro Ser Pro Gln Pro Ala		Thr Tyr Thr Cys Val Val			
500		505		510	
Ser His Glu Asp Ser Arg Thr Leu Leu		Asn Ala Ser Arg Ser Leu			
515		520		525	
Glu Val Ser Tyr Val Thr Asp His Gly		Pro Met Lys			
530		535			

&lt;210&gt; 3

&lt;211&gt; 311

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 2906265CD1

&lt;400&gt; 3

Met	Gly	Thr	Arg	Leu	Leu	Phe	Trp	Val	Ala	Phe	Cys	Leu	Leu	Gly	
1				5					10					15	
Ala	Asp	His	Thr	Gly	Ala	Gly	Val	Ser	Gln	Ser	Pro	Ser	Asn	Lys	
				20					25					30	
Val	Thr	Glu	Lys	Gly	Lys	Asp	Val	Glu	Leu	Arg	Cys	Asp	Pro	Ile	
				35					40					45	
Ser	Gly	His	Thr	Ala	Leu	Tyr	Trp	Tyr	Arg	Gln	Ser	Leu	Gly	Gln	
				50					55					60	
Gly	Leu	Glu	Phe	Leu	Ile	Tyr	Phe	Gln	Gly	Asn	Ser	Ala	Pro	Asp	
				65					70					75	
Lys	Ser	Gly	Leu	Pro	Ser	Asp	Arg	Phe	Ser	Ala	Glu	Arg	Thr	Gly	
				80					85					90	
Gly	Ser	Val	Ser	Thr	Leu	Thr	Ile	Gln	Arg	Thr	Gln	Gln	Glu	Asp	
				95					100					105	
Ser	Ala	Val	Tyr	Leu	Cys	Ala	Ser	Ser	Phe	Leu	Ala	Gly	Arg	Gly	
				110					115					120	
Asn	Thr	Ile	Tyr	Phe	Gly	Glu	Gly	Ser	Trp	Leu	Thr	Val	Val	Glu	
				125					130					135	
Asp	Leu	Asn	Lys	Val	Phe	Pro	Pro	Glu	Val	Ala	Val	Phe	Glu	Pro	
				140					145					150	
Ser	Glu	Ala	Glu	Ile	Ser	His	Thr	Gln	Lys	Ala	Thr	Leu	Val	Cys	
				155					160					165	
Leu	Ala	Thr	Gly	Phe	Phe	Pro	Asp	His	Val	Glu	Leu	Ser	Trp	Trp	
				170					175					180	
Val	Asn	Gly	Lys	Glu	Val	His	Ser	Gly	Val	Ser	Thr	Asp	Pro	Gln	
				185					190					195	
Pro	Leu	Lys	Glu	Gln	Pro	Ala	Leu	Asn	Asp	Ser	Arg	Tyr	Cys	Leu	
				200					205					210	
Ser	Ser	Arg	Leu	Arg	Val	Ser	Ala	Thr	Phe	Trp	Gln	Asn	Pro	Arg	
				215					220					225	
Asn	His	Phe	Arg	Cys	Gln	Val	Gln	Phe	Tyr	Gly	Leu	Ser	Glu	Asn	
				230					235					240	
Asp	Glu	Trp	Thr	Gln	Asp	Arg	Ala	Lys	Pro	Val	Thr	Gln	Ile	Val	
				245					250					255	
Ser	Ala	Glu	Ala	Trp	Gly	Arg	Ala	Asp	Cys	Gly	Phe	Thr	Ser	Val	
				260					265					270	
Ser	Tyr	Gln	Gln	Gly	Val	Leu	Ser	Ala	Thr	Ile	Leu	Tyr	Glu	Ile	
				275					280					285	
Leu	Leu	Gly	Lys	Ala	Thr	Leu	Tyr	Ala	Val	Leu	Val	Ser	Ala	Leu	
				290					295					300	
Val	Leu	Met	Ala	Met	Val	Lys	Arg	Lys	Asp	Phe					
				305					310						

&lt;210&gt; 4

&lt;211&gt; 194

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 788975CD1

&lt;400&gt; 4

Met	Thr	Met	Arg	His	Asn	Trp	Thr	Pro	Asp	Leu	Ser	Pro	Leu	Trp
1				5					10					15
Val	Leu	Leu	Leu	Cys	Ala	His	Val	Val	Thr	Leu	Leu	Val	Arg	Ala
				20					25					30
Thr	Pro	Val	Ser	Gln	Thr	Thr	Thr	Ala	Ala	Thr	Ala	Ser	Val	Arg
				35					40					45
Ser	Thr	Lys	Asp	Pro	Cys	Pro	Ser	Gln	Pro	Pro	Val	Phe	Pro	Ala
				50					55					60
Ala	Lys	Gln	Cys	Pro	Ala	Leu	Glu	Val	Thr	Trp	Pro	Glu	Val	Glu
				65					70					75
Val	Pro	Leu	Asn	Gly	Thr	Leu	Ser	Leu	Ser	Cys	Val	Ala	Cys	Ser
				80					85					90
Arg	Phe	Pro	Asn	Phe	Ser	Ile	Leu	Tyr	Trp	Leu	Gly	Asn	Gly	Ser
				95					100					105
Phe	Ile	Glu	His	Leu	Pro	Gly	Arg	Leu	Trp	Glu	Gly	Ser	Thr	Ser
				110					115					120
Arg	Glu	Arg	Gly	Ser	Thr	Gly	Thr	Gln	Leu	Cys	Lys	Ala	Leu	Val
				125					130					135
Leu	Glu	Gln	Leu	Thr	Pro	Ala	Leu	His	Ser	Thr	Asn	Phe	Ser	Cys
				140					145					150
Val	Leu	Val	Asp	Pro	Glu	Gln	Val	Val	Gln	Arg	His	Val	Val	Leu
				155					160					165
Ala	Gln	Leu	Trp	Ala	Gly	Leu	Arg	Ala	Thr	Leu	Pro	Pro	Thr	Gln
				170					175					180
Glu	Ala	Leu	Pro	Ser	Ser	His	Ser	Ser	Pro	Gln	Gln	Gln	Gly	
				185					190					

&lt;210&gt; 5

&lt;211&gt; 236

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 1407148CD1

&lt;400&gt; 5

Met	Asp	Met	Arg	Val	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Leu	Leu
1				5					10					15
Trp	Leu	Pro	Gly	Ala	Arg	Cys	Asp	Ile	Gln	Leu	Thr	Gln	Ser	Pro
				20					25					30
Ser	Phe	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys
				35					40					45
Arg	Ala	Ser	Gln	Leu	Ile	Ser	Asn	His	Leu	Ala	Trp	Tyr	Gln	Gln
				50					55					60
Lys	Pro	Gly	Arg	Ala	Pro	Lys	Leu	Leu	Val	His	Ser	Ala	Ser	Ile
				65					70					75
Leu	Gln	Ser	Gly	Val	Pro	Leu	Arg	Phe	Ser	Gly	Ser	Gly	Tyr	Gly
				80					85					90
Thr	Glu	Phe	Thr	Leu	Thr	Val	Ala	Ser	Leu	Gln	Pro	Glu	Asp	Ser
				95					100					105
Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Arg	Asn	Gly	Tyr	Pro	Ile	Thr	Phe
				110					115					120
Gly	Gln	Gly	Thr	Arg	Leu	Glu	Ile	Lys	Arg	Thr	Val	Ala	Ala	Pro

	125		130		135
Ser Val Phe Ile	Phe Pro Pro Ser Asp	Glu Gln Leu Lys Ser Gly			
	140		145		150
Thr Ala Ser Val	Val Cys Leu Leu Asn Asn	Phe Tyr Pro Arg Glu			
	155		160		165
Ala Lys Val Gln	Trp Lys Val Asp Asn Ala	Leu Gln Ser Gly Asn			
	170		175		180
Ser Gln Glu Ser	Val Thr Glu Gln Asp Ser	Lys Asp Ser Thr Tyr			
	185		190		195
Ser Leu Ser Ser	Thr Leu Thr Leu Ser Lys	Ala Asp Tyr Glu Lys			
	200		205		210
His Lys Val Tyr	Ala Cys Glu Val Thr His	Gln Gly Leu Ser Ser			
	215		220		225
Pro Val Thr Lys	Ser Phe Asn Arg Gly Glu	Cys			
	230		235		

&lt;210&gt; 6

&lt;211&gt; 310

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 1870848CD1

&lt;400&gt; 6

Met Ala Leu Arg Arg	Pro Pro Arg Leu Arg	Leu Cys Ala Arg Leu
1	5	10 15
Pro Asp Phe Phe	Leu Leu Leu Phe Arg	Gly Cys Leu Ile Gly
	20	25 30
Ala Val Asn Leu Lys	Ser Ser Asn Arg Thr	Pro Val Val Gln Glu
	35	40 45
Phe Glu Ser Val Glu	Leu Ser Cys Ile Ile	Thr Asp Ser Gln Thr
	50	55 60
Ser Asp Pro Arg Ile	Glu Trp Lys Lys Ile	Gln Asp Glu Gln Thr
	65	70 75
Thr Tyr Val Phe Phe	Asp Asn Lys Ile Gln	Gly Asp Leu Ala Gly
	80	85 90
Arg Ala Glu Ile Leu	Gly Lys Thr Ser Leu	Lys Ile Trp Asn Val
	95	100 105
Thr Arg Arg Asp Ser	Ala Leu Tyr Arg Cys	Glu Val Val Ala Arg
	110	115 120
Asn Asp Arg Lys Glu	Ile Asp Glu Ile Val	Ile Glu Leu Thr Val
	125	130 135
Gln Val Lys Pro Val	Thr Pro Val Cys Arg	Val Pro Lys Ala Val
	140	145 150
Pro Val Gly Lys Met	Ala Thr Leu His Cys	Gln Glu Ser Glu Gly
	155	160 165
His Pro Arg Pro His	Tyr Ser Trp Tyr Arg	Asn Asp Val Pro Leu
	170	175 180
Pro Thr Asp Ser Arg	Ala Asn Pro Arg Phe	Arg Asn Ser Ser Ser
	185	190 195
His Leu Asn Ser Glu	Thr Gly Thr Leu Val	Phe Thr Ala Val His
	200	205 210

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Lys Asp Asp Ser Gly Gln Tyr Tyr Cys Ile Ala Ser Asn Asp Ala
      215                      220                      225
Gly Ser Ala Arg Cys Glu Glu Gln Glu Met Glu Val Tyr Asp Leu
      230                      235                      240
Asn Ile Gly Gly Ile Ile Gly Gly Val Leu Val Val Leu Ala Val
      245                      250                      255
Leu Ala Leu Ile Thr Leu Gly Ile Cys Cys Ala Tyr Arg Arg Gly
      260                      265                      270
Tyr Phe Ile Asn Asn Lys Gln Asp Gly Glu Ser Tyr Lys Asn Pro
      275                      280                      285
Gly Lys Pro Asp Gly Val Asn Tyr Ile Arg Thr Asp Glu Glu Gly
      290                      295                      300
Asp Phe Arg His Lys Ser Ser Phe Val Ile
      305                      310

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&lt;210&gt; 7

&lt;211&gt; 148

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 1888468CD1

&lt;400&gt; 7

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Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr
  1                      5                      10                      15
Gly Ala His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val
      20                      25                      30
Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly
      35                      40                      45
Tyr Thr Phe Thr Gly Tyr Tyr Met His Trp Val Arg Gln Ala Pro
      50                      55                      60
Gly Gln Gly Leu Glu Trp Met Gly Trp Ile Ser Pro Asn Asn Gly
      65                      70                      75
Asp Thr Phe Tyr Ala His Arg Leu Gln Asp Arg Val Thr Leu Thr
      80                      85                      90
Thr Asp Thr Ser Ala Thr Thr Gly Tyr Met Glu Leu Arg Ser Leu
      95                      100                     105
Thr Ser Asp Asp Thr Ala Ile Tyr Tyr Cys Ala Arg Gly Asp Tyr
      110                     115                     120
Gly Asn Ser Leu Asp His Trp Gly Gln Gly Asn Leu Val Thr Val
      125                     130                     135
Ser Ser Ala Ser Pro Thr Ser Pro Lys Gly Leu Pro Ala
      140                     145

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&lt;210&gt; 8

&lt;211&gt; 310

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 2770104CD1

&lt;400&gt; 8

Met	Arg	Arg	Thr	Gln	Pro	Leu	Ser	Val	His	Thr	Gly	Trp	Glu	Gly	1	5	10	15
Gly	Glu	Ala	Ile	Ser	Leu	Cys	Val	Ser	Leu	Ser	Arg	Gln	His	Arg	20	25	30	
Gly	Leu	Ile	His	Pro	Gln	Ser	Arg	Ala	Val	Gly	Gly	Asp	Ala	Met	35	40	45	
Thr	Pro	Ile	Val	Thr	Val	Leu	Ile	Cys	Leu	Gly	Leu	Ser	Leu	Gly	50	55	60	
Pro	Arg	Thr	His	Val	Gln	Thr	Gly	Thr	Ile	Pro	Lys	Pro	Thr	Leu	65	70	75	
Trp	Ala	Glu	Pro	Asp	Ser	Val	Ile	Thr	Gln	Gly	Ser	Pro	Val	Thr	80	85	90	
Leu	Ser	Cys	Gln	Gly	Ser	Leu	Glu	Ala	Gln	Glu	Tyr	Arg	Leu	Tyr	95	100	105	
Arg	Glu	Lys	Lys	Ser	Ala	Ser	Trp	Ile	Thr	Arg	Ile	Arg	Pro	Glu	110	115	120	
Leu	Val	Lys	Asn	Gly	Gln	Phe	His	Ile	Pro	Ser	Ile	Thr	Trp	Glu	125	130	135	
His	Thr	Gly	Arg	Tyr	Gly	Cys	Gln	Tyr	Tyr	Ser	Arg	Ala	Arg	Trp	140	145	150	
Ser	Glu	Leu	Ser	Asp	Pro	Leu	Val	Ala	Gly	Asp	Asp	Arg	Ser	Tyr	155	160	165	
Gln	Asn	Pro	Thr	Ser	Gln	Pro	Ser	Pro	Gly	Pro	Val	Val	Thr	Pro	170	175	180	
Gly	Lys	Asn	Val	Thr	Leu	Leu	Cys	Gln	Ser	Arg	Gly	Gln	Phe	His	185	190	195	
Thr	Phe	Leu	Leu	Thr	Lys	Glu	Gly	Ala	Gly	His	Pro	Pro	Leu	His	200	205	210	
Leu	Arg	Ser	Glu	His	Gln	Ala	Gln	Gln	Asn	Gln	Ala	Glu	Phe	Arg	215	220	225	
Met	Gly	Pro	Val	Thr	Ser	Ala	His	Val	Gly	Thr	Tyr	Arg	Cys	Tyr	230	235	240	
Ser	Ser	Leu	Ser	Ser	Asn	Pro	Tyr	Leu	Leu	Ser	Leu	Pro	Ser	Asp	245	250	255	
Pro	Leu	Glu	Leu	Val	Val	Ser	Ala	Ser	Leu	Gly	Gln	His	Pro	Gln	260	265	270	
Asp	Tyr	Thr	Val	Glu	Asn	Leu	Ile	Arg	Met	Gly	Val	Ala	Gly	Leu	275	280	285	
Val	Leu	Val	Val	Leu	Gly	Ile	Leu	Leu	Phe	Glu	Ala	Gln	His	Ser	290	295	300	
Gln	Arg	Ser	Leu	Gln	Asp	Ala	Ala	Gly	Arg						305	310		

&lt;210&gt; 9

&lt;211&gt; 236

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 2851053CD1



&lt;400&gt; 9

Met	Asp	Met	Arg	Val	Leu	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Leu	Leu
1				5						10				15
Cys	Phe	Pro	Gly	Ala	Arg	Cys	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro
				20					25					30
Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys
				35					40					45
Arg	Ala	Ser	Gln	Asp	Ile	Ser	Asn	Tyr	Leu	Ala	Trp	Phe	Gln	Gln
				50					55					60
Lys	Pro	Gly	Thr	Ala	Pro	Lys	Ser	Leu	Ile	Tyr	Asp	Thr	Ser	Ser
				65					70					75
Leu	Gln	Ser	Gly	Val	Pro	Ser	Lys	Phe	Ser	Gly	Ser	Gly	Ser	Gly
				80					85					90
Thr	Asp	Phe	Thr	Leu	Thr	Ile	Asn	Ser	Leu	Gln	Pro	Glu	Asp	Phe
				95					100					105
Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	His	His	Ser	Tyr	Pro	Leu	Thr	Phe
				110					115					120
Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile	Lys	Arg	Thr	Val	Ala	Ala	Pro
				125					130					135
Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Glu	Gln	Leu	Lys	Ser	Gly
				140					145					150
Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn	Phe	Tyr	Pro	Arg	Glu
				155					160					165
Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu	Gln	Ser	Gly	Asn
				170					175					180
Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp	Ser	Thr	Tyr
				185					190					195
Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr	Glu	Lys
				200					205					210
His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser
				215					220					225
Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys				
				230					235					

&lt;210&gt; 10

&lt;211&gt; 237

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 3238787CD1

&lt;400&gt; 10

Met	Asp	Met	Arg	Val	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Leu	Leu
1				5						10				15
Trp	Leu	Arg	Gly	Ala	Arg	Cys	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro
				20					25					30
Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys
				35					40					45
Arg	Ala	Ser	Gln	Ser	Ile	Ser	Ser	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln
				50					55					60
Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile	Tyr	Ala	Ala	Ser	Ser
				65					70					75

Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly			
				80					85						90		
Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro	Glu	Asp	Phe			
				95					100					105			
Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Tyr	Ser	Thr	Pro	Pro	Ile	Thr			
				110					115					120			
Phe	Gly	Gln	Gly	Thr	Arg	Leu	Glu	Ile	Lys	Arg	Thr	Val	Ala	Ala			
				125					130					135			
Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Glu	Gln	Leu	Lys	Ser			
				140					145					150			
Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn	Phe	Tyr	Pro	Arg			
				155					160					165			
Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu	Gln	Ser	Gly			
				170					175					180			
Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp	Ser	Thr			
				185					190					195			
Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr	Glu			
				200					205					210			
Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser			
				215					220					225			
Ser	Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys						
				230					235								

&lt;210&gt; 11

&lt;211&gt; 148

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 3559548CD1

&lt;400&gt; 11

Met	Asp	Trp	Thr	Trp	Ser	Ile	Leu	Phe	Leu	Val	Ala	Ala	Ala	Thr			
1				5					10					15			
Gly	Ala	His	Ser	Gln	Val	His	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val			
				20					25					30			
Lys	Lys	Pro	Gly	Ala	Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly			
				35					40					45			
Tyr	Thr	Phe	Thr	Ser	His	Gly	Ile	Thr	Trp	Val	Arg	Gln	Ala	Pro			
				50					55					60			
Gly	Gln	Gly	Leu	Glu	Trp	Met	Gly	Trp	Ile	Ser	Pro	Asn	Asn	Gly			
				65					70					75			
Asp	Thr	Phe	Tyr	Ala	His	Arg	Leu	Gln	Asp	Arg	Val	Thr	Leu	Thr			
				80					85					90			
Thr	Asp	Thr	Ser	Ala	Thr	Thr	Gly	Tyr	Met	Glu	Leu	Arg	Ser	Leu			
				95					100					105			
Thr	Ser	Asp	Asp	Thr	Ala	Ile	Tyr	Tyr	Cys	Ala	Arg	Gly	Asp	Tyr			
				110					115					120			
Gly	Asn	Ser	Leu	Asp	His	Trp	Gly	Gln	Gly	Asn	Leu	Val	Thr	Val			
				125					130					135			
Ser	Ser	Ala	Ser	Pro	Thr	Ser	Pro	Lys	Gly	Leu	Pro	Ala					
				140					145								

<210> 12  
 <211> 236  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID NO: 3872741CD1

<400> 12  
 Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu  
   1                  5                  10                  15  
 Trp Leu Ser Gly Ala Arg Cys Asp Thr Gln Met Thr Gln Ser Pro  
                   20                  25                  30  
 Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Leu Thr Ile Thr Cys  
                   35                  40                  45  
 Gln Ala Ser Glu Asp Val Ile Lys Tyr Val Asn Trp Tyr Gln Gln  
                   50                  55                  60  
 Lys Pro Arg Lys Ala Pro Lys Leu Leu Ile His Asp Ala Ser Asn  
                   65                  70                  75  
 Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly  
                   80                  85                  90  
 Thr Leu Phe Thr Phe Thr Ile Ser Asn Leu Gln Pro Glu Asp Val  
                   95                  100                 105  
 Ala Thr Tyr Tyr Cys Gln His Tyr Ala Ser His Pro Leu Thr Phe  
                  110                 115                 120  
 Gly Gly Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro  
                  125                 130                 135  
 Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
                  140                 145                 150  
 Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
                  155                 160                 165  
 Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
                  170                 175                 180  
 Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr  
                  185                 190                 195  
 Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys  
                  200                 205                 210  
 His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser  
                  215                 220                 225  
 Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys  
                  230                 235

<210> 13  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID NO: 3981428CD1

<400> 13  
 Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu

1	5	10	15
Trp Leu Arg Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro	20	25	30
Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Met Thr Cys	35	40	45
Arg Ala Ser Gln Ser Ile Ser Thr Tyr Leu Asn Trp Tyr Gln Gln	50	55	60
Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Ser	65	70	75
Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly	80	85	90
Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe	95	100	105
Ala Thr Tyr Tyr Cys Gln Gln Ser Phe Asn Thr His Met Tyr Thr	110	115	120
Phe Gly Gln Gly Thr Arg Leu Glu Met Lys Arg Thr Val Ala Ala	125	130	135
Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser	140	145	150
Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg	155	160	165
Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly	170	175	180
Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr	185	190	195
Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu	200	205	210
Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser	215	220	225
Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys	230	235	

&lt;210&gt; 14

&lt;211&gt; 219

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 4635039CD1

&lt;400&gt; 14

Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Val Thr	1	5	10	15
Gly Val His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val	20	25	30	
Arg Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly	35	40	45	
Tyr Thr Phe Ser Asp His Tyr Ile His Trp Val Arg Gln Ala Pro	50	55	60	
Gly Gln Gly Leu Glu Trp Met Gly Trp Ile Asn Pro Asn Ser Gly	65	70	75	
Gly Ala Arg Tyr Ala Gln Gly Phe Gln Gly Leu Val Thr Met Thr	80	85	90	

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Arg Asp Thr Ser Ile Ser Thr Ala Tyr Leu Glu Leu Arg Gly Leu
      95                      100                      105
Arg Ser Asp Gly Ser Ala Val Tyr Phe Cys Ala Arg Gln Thr Thr
      110                      115                      120
Ser Ser Pro Val Gly Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
      125                      130                      135
Met Val Thr Val Ser Ser Ala Ser Pro Thr Ser Pro Lys Val Phe
      140                      145                      150
Pro Leu Ser Leu Cys Ser Thr Gln Pro Asp Gly Asn Val Val Ile
      155                      160                      165
Ala Cys Leu Val Gln Gly Phe Phe Pro Gln Glu Pro Leu Ser Val
      170                      175                      180
Thr Trp Ser Glu Thr Asp Gln Gly Val Thr Ala Lys Lys Leu Pro
      185                      190                      195
Thr Gln Pro Gly Cys Leu Arg Gly Thr Val Asn His Glu Gln Pro
      200                      205                      210
Ala Asp Pro Ala Gly Gln Asn Ser Ala
      215

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<210> 15

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID NO: 3240710CD1

<400> 15

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Met Arg Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Ile
  1                      5                      10                      15
Pro Gly Ser Ser Ala Asp Ile Val Leu Thr Gln Thr Pro Leu Ser
      20                      25                      30
Leu Ser Val Thr Pro Gly Gln Pro Ala Ser Ile Ser Cys Lys Ser
      35                      40                      45
Ser Glu Ser Leu Leu His Thr Asp Gly Lys Thr Tyr Leu His Trp
      50                      55                      60
Phe Val Gln Lys Ala Gly Gln Pro Pro Gln Val Leu Met Tyr Glu
      65                      70                      75
Val Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
      80                      85                      90
Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala
      95                      100                      105
Glu Asp Val Arg Ile Tyr Tyr Cys Met Arg Thr Ile Gln Val Pro
      110                      115                      120
Pro Thr Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
      125                      130                      135
Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
      140                      145                      150
Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
      155                      160                      165
Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala
      170                      175                      180
Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser

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	185		190		195
Lys Asp Ser Thr	Tyr Ser Leu Ser Ser	Thr Leu Thr Leu Ser	Lys		
	200		205		210
Ala Asp Tyr Glu	Lys His Lys Val Tyr	Ala Cys Glu Val Thr	His		
	215		220		225
Gln Gly Leu Ser	Ser Pro Val Thr Lys	Ser Phe Asn Arg Gly	Glu		
	230		235		240

Cys

&lt;210&gt; 16

&lt;211&gt; 507

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 4945813CD1

&lt;400&gt; 16

Met Asp Leu Leu Cys	Lys Asn Met Lys	His Leu Trp Phe Phe Leu	
1	5	10	15
Leu Leu Val Ala	Ala Pro Arg Trp Val	Leu Ser Gln Leu Gln Leu	
	20	25	30
Gln Glu Ser Gly	Pro Gly Leu Val Lys	Pro Ser Glu Thr Leu Ser	
	35	40	45
Leu Thr Cys Thr	Val Ser Gly Gly Ser	Ile Ser Ser Tyr Asn His	
	50	55	60
Tyr Trp Gly Trp	Val Arg Gln Pro Pro	Gly Lys Gly Leu Glu Trp	
	65	70	75
Ile Gly Ser Ile	Phe Tyr Thr Gly Asn	Ser Tyr Tyr Asn Pro Ser	
	80	85	90
Leu Lys Ser Arg	Leu Ala Ile Ser Val	Asp Thr Ser Lys Ser Gln	
	95	100	105
Leu Ser Leu Lys	Leu Ser Ser Val Thr	Ala Ala Asp Thr Ala Val	
	110	115	120
Tyr Tyr Cys Ala	Thr Val Pro Lys Thr	Arg Ser Arg Pro Arg Gly	
	125	130	135
Tyr Thr Tyr Gly	Pro Phe Asp Phe Trp	Gly Gln Gly Thr Leu Val	
	140	145	150
Thr Val Ser Ser	Ala Ser Pro Thr Ser	Pro Lys Val Phe Pro Leu	
	155	160	165
Ser Leu Cys Ser	Thr Gln Pro Asp Gly	Asn Val Val Ile Ala Cys	
	170	175	180
Leu Val Gln Gly	Phe Phe Pro Gln Glu	Pro Leu Ser Val Thr Trp	
	185	190	195
Ser Glu Ser Gly	Gln Gly Val Thr Ala	Arg Asn Phe Pro Pro Ser	
	200	205	210
Gln Asp Ala Ser	Gly Asp Leu Tyr Thr	Thr Ser Ser Gln Leu Thr	
	215	220	225
Leu Pro Ala Thr	Gln Cys Leu Ala Gly	Lys Ser Val Thr Cys His	
	230	235	240
Val Lys His Tyr	Thr Asn Pro Ser Gln	Asp Val Thr Val Pro Cys	
	245	250	255
Pro Val Pro Ser	Thr Pro Pro Thr Pro	Ser Pro Ser Thr Pro Pro	

Thr	Pro	Ser	Pro	Ser	Cys	Cys	His	Pro	Arg	Leu	Ser	Leu	His	Arg	260	265	270
				275						280							285
Pro	Ala	Leu	Glu	Asp	Leu	Leu	Leu	Gly	Ser	Glu	Ala	Asn	Leu	Thr		295	300
				290													
Cys	Thr	Leu	Thr	Gly	Leu	Arg	Asp	Ala	Ser	Gly	Val	Thr	Phe	Thr		310	315
				305													
Trp	Thr	Pro	Ser	Ser	Gly	Lys	Ser	Ala	Val	Gln	Gly	Pro	Pro	Glu		325	330
				320													
Arg	Asp	Leu	Cys	Gly	Cys	Tyr	Ser	Val	Ser	Ser	Val	Leu	Pro	Gly		340	345
				335													
Cys	Ala	Glu	Pro	Trp	Asn	His	Gly	Lys	Thr	Phe	Thr	Cys	Thr	Ala		355	360
				350													
Ala	Tyr	Pro	Glu	Ser	Lys	Thr	Pro	Leu	Thr	Ala	Thr	Leu	Ser	Lys		370	375
				365													
Ser	Gly	Asn	Thr	Phe	Arg	Pro	Glu	Val	His	Leu	Leu	Pro	Pro	Pro		385	390
				380													
Ser	Glu	Glu	Leu	Ala	Leu	Asn	Glu	Leu	Val	Thr	Leu	Thr	Cys	Leu		400	405
				395													
Ala	Arg	Gly	Phe	Ser	Pro	Lys	Asp	Val	Leu	Val	Arg	Trp	Leu	Gln		415	420
				410													
Gly	Ser	Gln	Glu	Leu	Pro	Arg	Glu	Lys	Tyr	Leu	Thr	Trp	Ala	Ser		430	435
				425													
Arg	Gln	Glu	Pro	Ser	Gln	Gly	Thr	Thr	Thr	Phe	Ala	Val	Thr	Ser		445	450
				440													
Ile	Leu	Arg	Val	Ala	Ala	Glu	Asp	Trp	Lys	Lys	Gly	Asp	Thr	Phe		460	465
				455													
Ser	Cys	Met	Val	Gly	His	Glu	Ala	Leu	Pro	Leu	Ala	Phe	Thr	Gln		475	480
				470													
Lys	Thr	Ile	Asp	Arg	Leu	Ala	Gly	Lys	Pro	Thr	His	Val	Asn	Val		490	495
				485													
Ser	Val	Val	Met	Ala	Glu	Val	Asp	Gly	Thr	Cys	Tyr					505	
				500													

<210> 17  
 <211> 244  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID NO: 4948957CD1

<400> 17

Met	Val	Leu	Gln	Thr	Gln	Val	Phe	Ile	Ser	Leu	Leu	Leu	Trp	Ile			
1				5					10					15			
Ser	Val	Leu	Thr	Ala	Gly	Ala	Tyr	Gly	Asp	Ile	Val	Met	Thr	Gln			
				20					25					30			
Ser	Pro	Asp	Ser	Leu	Ala	Val	Ser	Leu	Gly	Glu	Arg	Ala	Thr	Ile			
				35					40					45			
Thr	Cys	Lys	Ser	Ser	Gln	Ser	Val	Phe	Tyr	Asn	Ser	Asn	Asn	Lys			
				50					55					60			
Asn	Tyr	Leu	Val	Trp	Tyr	Gln	Gln	Arg	Pro	Gly	Gln	Pro	Pro	Lys			
				65					70					75			

Met	Leu	Ile	Tyr	Trp	Ala	Ser	Thr	Arg	Glu	Ser	Gly	Val	Pro	Asp	
				80					85					90	
Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	
				95					100					105	
Ser	Ser	Leu	Gln	Ala	Glu	Asp	Val	Ala	Leu	Tyr	Tyr	Cys	Gln	Gln	
				110					115					120	
Tyr	Phe	Thr	Thr	Pro	Tyr	Thr	Phe	Gly	Gln	Gly	Thr	Arg	Leu	Glu	
				125					130					135	
Ile	Lys	Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	
				140					145					150	
Ser	Asp	Glu	Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	
				155					160					165	
Leu	Asn	Asn	Phe	Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	
				170					175					180	
Asp	Asn	Ala	Leu	Gln	Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	
				185					190					195	
Gln	Asp	Ser	Lys	Asp	Ser	Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	
				200					205					210	
Leu	Ser	Lys	Ala	Asp	Tyr	Glu	Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	
				215					220					225	
Val	Thr	His	Gln	Gly	Leu	Ser	Ser	Pro	Val	Thr	Lys	Ser	Phe	Asn	
				230					235					240	

Arg Gly Glu Cys

&lt;210&gt; 18

&lt;211&gt; 240

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 4949649CD1

&lt;400&gt; 18

Met	Ser	Val	Pro	Thr	Met	Ala	Trp	Met	Met	Leu	Leu	Leu	Gly	Leu	
1				5					10					15	
Leu	Ala	Tyr	Gly	Ser	Gly	Val	Asp	Ser	Gln	Thr	Val	Val	Thr	Gln	
				20					25					30	
Glu	Pro	Ser	Leu	Ser	Val	Ser	Pro	Gly	Gly	Thr	Val	Thr	Leu	Thr	
				35					40					45	
Cys	Gly	Leu	Ala	Ser	Asp	Ser	Val	Ser	Thr	Asn	Phe	Phe	Pro	Thr	
				50					55					60	
Trp	Tyr	Gln	Gln	Thr	Pro	Gly	Gln	Ala	Pro	Arg	Thr	Leu	Ile	Tyr	
				65					70					75	
Ser	Thr	Ser	Thr	Arg	Ser	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	
				80					85					90	
Ser	Ile	Leu	Gly	Asn	Lys	Ala	Ala	Leu	Thr	Ile	Thr	Gly	Ala	Gln	
				95					100					105	
Ala	Asp	Asp	Glu	Ser	Asp	Tyr	Tyr	Cys	Ala	Leu	Tyr	Met	Gly	Ser	
				110					115					120	
Gly	Ile	Ser	Val	Phe	Gly	Gly	Gly	Thr	Lys	Val	Thr	Val	Leu	Gly	
				125					130					135	
Gln	Pro	Lys	Ala	Ala	Pro	Ser	Val	Thr	Leu	Phe	Pro	Pro	Ser	Ser	
				140					145					150	



Glu	Glu	Leu	Gln	Ala	Asn	Lys	Ala	Thr	Leu	Val	Cys	Leu	Ile	Ser
				155					160					165
Asp	Phe	Tyr	Pro	Gly	Ala	Val	Thr	Val	Ala	Trp	Lys	Ala	Asp	Ser
				170					175					180
Ser	Pro	Val	Lys	Ala	Gly	Val	Glu	Thr	Thr	Thr	Pro	Ser	Lys	Gln
				185					190					195
Ser	Asn	Asn	Lys	Tyr	Ala	Ala	Ser	Ser	Tyr	Leu	Ser	Leu	Thr	Pro
				200					205					210
Glu	Gln	Trp	Lys	Ser	His	Arg	Ser	Tyr	Ser	Cys	Gln	Val	Thr	His
				215					220					225
Glu	Gly	Ser	Thr	Val	Glu	Lys	Thr	Val	Ala	Pro	Thr	Glu	Cys	Ser
				230					235					240

&lt;210&gt; 19

&lt;211&gt; 398

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 5500302CD1

&lt;400&gt; 19

Met	Ser	Gly	Ser	Ser	Leu	Pro	Ser	Ala	Leu	Ala	Leu	Ser	Leu	Leu
1				5					10					15
Leu	Val	Ser	Gly	Ser	Leu	Leu	Pro	Gly	Pro	Gly	Ala	Ala	Gln	Asn
				20					25					30
Ala	Gly	Phe	Val	Lys	Ser	Pro	Met	Ser	Glu	Thr	Lys	Leu	Thr	Gly
				35					40					45
Asp	Ala	Phe	Glu	Leu	Tyr	Cys	Asp	Val	Val	Gly	Ser	Pro	Thr	Pro
				50					55					60
Glu	Ile	Gln	Trp	Trp	Tyr	Ala	Glu	Val	Asn	Arg	Ala	Glu	Ser	Phe
				65					70					75
Arg	Gln	Leu	Trp	Asp	Gly	Ala	Arg	Lys	Arg	Arg	Val	Thr	Val	Asn
				80					85					90
Thr	Ala	Tyr	Gly	Ser	Asn	Gly	Val	Ser	Val	Leu	Arg	Ile	Thr	Arg
				95					100					105
Leu	Thr	Leu	Glu	Asp	Ser	Gly	Thr	Tyr	Glu	Cys	Arg	Ala	Ser	Asn
				110					115					120
Asp	Pro	Lys	Arg	Asn	Asp	Leu	Arg	Gln	Asn	Pro	Ser	Ile	Thr	Trp
				125					130					135
Ile	Arg	Ala	Gln	Ala	Thr	Ile	Ser	Val	Leu	Gln	Lys	Pro	Arg	Ile
				140					145					150
Val	Thr	Ser	Glu	Glu	Val	Ile	Ile	Arg	Asp	Ser	Pro	Val	Leu	Pro
				155					160					165
Val	Thr	Leu	Gln	Cys	Asn	Leu	Thr	Ser	Ser	Ser	His	Thr	Leu	Thr
				170					175					180
Tyr	Ser	Tyr	Trp	Thr	Lys	Asn	Gly	Val	Glu	Leu	Ser	Ala	Thr	Arg
				185					190					195
Lys	Asn	Ala	Ser	Asn	Met	Glu	Tyr	Arg	Ile	Asn	Lys	Pro	Arg	Ala
				200					205					210
Glu	Asp	Ser	Gly	Glu	Tyr	His	Cys	Val	Tyr	His	Phe	Val	Ser	Ala
				215					220					225
Pro	Lys	Ala	Asn	Ala	Thr	Ile	Glu	Val	Lys	Ala	Ala	Pro	Asp	Ile

	230		235		240
Thr Gly His Lys	Arg Ser Glu Asn Lys	Asn Glu Gly Gln Asp	Ala		
	245		250		255
Thr Met Tyr Cys	Lys Ser Val Gly Tyr	Pro His Pro Asp Trp	Ile		
	260		265		270
Trp Arg Lys Lys	Glu Asn Gly Met Pro	Met Asp Ile Val Asn	Thr		
	275		280		285
Ser Gly Arg Phe	Phe Ile Ile Asn Lys	Glu Asn Tyr Thr Glu	Leu		
	290		295		300
Asn Ile Val Asn	Leu Gln Ile Thr Glu	Asp Pro Gly Glu Tyr	Glu		
	305		310		315
Cys Asn Ala Thr	Asn Ala Ile Gly Ser	Ala Ser Val Val Thr	Val		
	320		325		330
Leu Arg Val Arg	Ser His Leu Ala Pro	Leu Trp Pro Phe Leu	Gly		
	335		340		345
Ile Leu Ala Glu	Ile Ile Ile Leu Val	Val Ile Ile Val Val	Tyr		
	350		355		360
Glu Lys Arg Lys	Arg Pro Asp Glu Val	Pro Asp Asp Asp Glu	Pro		
	365		370		375
Ala Gly Pro Met	Lys Thr Asn Ser Thr	Asn Asn His Lys Asp	Lys		
	380		385		390
Asn Leu Arg Gln	Arg Asn Thr Asn				
	395				

&lt;210&gt; 20

&lt;211&gt; 917

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 079785CB1

&lt;400&gt; 20

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gtcaggacac agcatggaca tgaggggtccc cgctcagctc ctgggggtcc tgctactctg 60
gctccgaggt gccagatgtg acatccagat gacccagtct ccatectccc tgtctgcac 120
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&lt;210&gt; 21

&lt;211&gt; 1746

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 2469025CB1

&lt;400&gt; 21

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&lt;210&gt; 22

&lt;211&gt; 1160

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 2906265CB1

&lt;400&gt; 22

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&lt;210&gt; 23

&lt;211&gt; 1356

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 788975CB1

&lt;400&gt; 23

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&lt;210&gt; 24

&lt;211&gt; 916

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 1407148CB1

&lt;400&gt; 24

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&lt;210&gt; 25

&lt;211&gt; 1956

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 1870848CB1

&lt;400&gt; 25

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<210> 26  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID NO: 1888468CB1

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID NO: 2770104CB1

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<210> 28
<211> 817
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID NO: 2851053CB1

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<210> 29
<211> 936
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID NO: 3238787CB1

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<210> 30

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID NO: 3559548CB1

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<210> 31

<211> 890

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID NO: 3872741CB1

<400> 31

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tgtgaattgg tatcaacaaa aacctaggaa agcccctaaa ctctgatcc acgatgcac 240
caatttgga acaggggtcc catcaagggt cagtggaagt ggatctggga cactttttac 300
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```



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cgccctccaa tcgggtaact cccaggagag tgtcacagag caggacagca aggacagcac 600
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&lt;210&gt; 32

&lt;211&gt; 928

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 3981428CB1

&lt;400&gt; 32

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&lt;210&gt; 33

&lt;211&gt; 762

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 4635039CB1

&lt;400&gt; 33

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&lt;210&gt; 34

&lt;211&gt; 925

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 3240710CB1

&lt;400&gt; 34

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&lt;210&gt; 35

&lt;211&gt; 1584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 4945813CB1

&lt;400&gt; 35

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<210> 36

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID NO: 4948957CB1

<400> 36

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agtctccaga ctccctgggt gtgtctctgg gcgagagggc caccatcacc tgcaagtcca 180
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<210> 37

<211> 878

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID NO: 4949649CB1

&lt;400&gt; 37

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&lt;210&gt; 38

&lt;211&gt; 1680

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID NO: 5500302CB1

&lt;400&gt; 38

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